

## CALIFORNIA COASTAL COMMISSION

SOUTH CENTRAL COAST AREA  
39 SOUTH CALIFORNIA ST., SUITE 200  
VENTURA, CA 93001  
(805) 585-1800



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Date: February 28, 2007

Permit Application No. 4-06-086

COASTAL DEVELOPMENT PERMIT

On February 14, 2007, the California Coastal Commission granted to Ventura Port District, permit 4-06-086, subject to the attached Standard and Special Conditions, for development consisting of: Implement a Maintenance Dredging Program in the outer and inner areas of Ventura Harbor through April 15, 2016. Maintenance dredging of the *Inner Harbor*, to design depths, would entail up to 100,000 cu. yds. of material to be dredged annually from the navigation channels, berthing areas, and sand traps within the harbor and deposited: (1) within surf zone near the mouth of the Santa Clara River, (2) three interior depressions within the interior of the harbor; and/or (3) in the 4,000 feet of nearshore area off of McGrath State Beach. Of the proposed 100,000 cu. yds. of material to be dredged, up to 2,500 cu. yds. of fine-grained material may be dredged from the mouth of the Arundell Barranca and/or the Olivas Park storm drain with a shore-based clam shell, with deposition outside of the coastal zone.

Maintenance dredging of the *Outer Harbor*, to design depths, would entail up to 600,000 cu. yds. of material to be removed annually from the entrance channel and offshore sand traps and deposited: (1) within the surf zone along 10,000 feet of beach extending southward from the harbor's south jetty, including South Beach, the area near the Santa Clara River mouth, and McGrath State Beach; (2) within the surf zone north of the harbor entrance in Cells 1 and 2 of the Pierpont Groin Field; (3) in the 4,000 feet of nearshore area off of McGrath State Beach; and/or (4) the 1,000 feet of nearshore area off of San Buenaventura State Beach south of the Ventura Pier.

Dredging would be accomplished by means of hydraulic dredging with pipeline deposition into designated *surf zone areas* or alternately by means of clamshell or hopper dredging with deposition in the *nearshore* waters. A shore-based clam shell may also be used to dredge up to 2,500 cu. yds. of material at the mouth of the Arundell Barranca and/or the Olivas Park storm drain, with deposition outside of the coastal zone. The dredging and deposition period will be subject to timing constraints for resource protection. This permit is more specifically described in the application on file in the Commission offices.

The development is within the coastal zone in Ventura County at Ventura Harbor, City of San Buenaventura; Beach deposition sites in the cities of San Buenaventura and Oxnard.

Issued on behalf of the California Coastal Commission by,

PETER DOUGLAS  
Executive Director

  
By: Barbara Carey  
Supervisor, Planning & Regulation

ACKNOWLEDGMENT:

The undersigned permittee acknowledges receipt of this permit and agrees to abide by all terms and conditions thereof.

The undersigned permittee acknowledges that Government Code Section 818.4 which states in pertinent part, that: "A public entity is not liable for injury caused by the issuance. . . of any permit. . ." applies to the issuance of this permit.

IMPORTANT: THIS PERMIT IS NOT VALID UNLESS AND UNTIL A COPY OF THE PERMIT WITH THE SIGNED ACKNOWLEDGEMENT HAS BEEN RETURNED TO THE COMMISSION OFFICE. 14 Cal. Admin. Code Section 13158(a).

3/6/07  
Date

  
Permittee



**STANDARD CONDITIONS:**

1. **Notice of Receipt and Acknowledgment.** The permit is not valid and development shall not commence until a copy of the permit, signed by the permittee or authorized agent, acknowledging receipt of the permit and acceptance of the terms and conditions, is returned to the Commission office.
2. **Expiration.** If development has not commenced, the permit will expire two years from the date on which the Commission voted on the application. Development shall be pursued in a diligent manner and completed in a reasonable period of time. Application for extension of the permit must be made prior to the expiration date.
3. **Interpretation.** Any questions of intent or interpretation of any condition will be resolved by the Executive Director or the Commission.
4. **Assignment.** The permit may be assigned to any qualified person, provided assignee files with the Commission an affidavit accepting all terms and conditions of the permit.
5. **Terms and Conditions Run with the Land.** These terms and conditions shall be perpetual, and it is the intention of the Commission and the permittee to bind all future owners and possessors of the subject property to the terms and conditions.

**SPECIAL CONDITIONS:**

1. **Timing and Implementation of Project Operations**

All dredging operations, including operation of equipment, spoil disposal, placement or removal of disposal pipelines, or other construction, maintenance, material removal, or activities involving mechanized equipment shall be prohibited:

- (a) Within 100 yards of, and on the entire beach seaward of, the Least Tern nesting areas, identified annually by the Department of Fish and Game, or the State Park Resource Protection Area from March 15 through August 31 to avoid disturbance during the breeding season of the Least Tern.
- (b) On any part of the beach and shorefront in the project area from the Friday prior to Memorial Day in May through Labor Day in September to avoid impact on public recreational use of the beach.
- (c) On any part of the beach in those portions of the project area where California grunion (of any life stage, including eggs) are present during any run periods and corresponding egg incubation periods, as documented by the surveys conducted pursuant to Special Condition Five (5). In the event that sediment needs to be placed below the high tide line from the date of the first predicted grunion run, as listed by the California Department of Fish and Game, to August 31, the applicant shall submit evidence, for the review and approval of the Executive Director, that surveys for grunion have been conducted pursuant to Special Condition Eight (8) at the project site and that no grunion were found. No work shall occur below the high tide line between the date of the first predicted grunion run, as listed by the California Department of Fish and Game, and August 31 without the authorization of the Executive Director.

- (d) Within federally designated critical habitat of the Western Snowy Plover from March 1 through September 30 to avoid adverse effects to nesting Western Snowy Plovers, or in any other area where snowy plovers may be, if they are exhibiting nesting or reproductive activity, as documented by the surveys conducted pursuant to Special Condition Eight (8) and Special Condition Fourteen (14).

## **2. Dredging and Disposal Operation Plan**

The applicant shall submit a dredging and disposal operation plan within thirty (30) days, but no later than two (2) weeks, prior to each dredging operation for the review and approval by the Executive Director. The plan shall include at a minimum:

- (a) Site map showing the area of the Ventura Harbor to be dredged and receiver site(s). Nearshore disposal areas shall be plotted in latitude and longitude coordinates. All maps shall be drawn to scale.
- (b) Detailed description of the dredging operation, including the method of dredging and disposal, volume of dredged spoils to be removed, and volume to be deposited at the receiver site(s).
- (c) Description (e.g., size, type, capacity) of equipment to be used, including bin capacity when hopper and/or clamshell dredging is utilized.
- (d) Schedule of the dredging operation's proposed beginning and ending dates.
- (e) Results of a grain size and chemical analysis, pursuant to Special Condition Three (3).
- (f) Evidence that local agencies were apprised of the availability of sand resources that meet beach replenishment standards and the target destination for the current year's dredging operation.
- (g) Explanation of receiver site(s) priority.
- (h) All relevant monitoring reports required pursuant to this permit.
- (i) Debris management plan to prevent disposal of solid debris at receiver site(s). The debris management plan shall include: sources and expected types of debris, debris separation and retrieval methods, and debris disposal methods.

## **3. Sediment Analysis**

Physical (grain size) analysis shall be conducted of a representative sample of the sediments to be dredged from the Outer Harbor areas, consistent with the Environmental Protection Agency (EPA) and California Regional Water Quality Control Board (RWQCB) criteria for beach replenishment. Testing of Outer Harbor sediment shall be conducted upon initiation of the dredging operation. If sampling reveals that any sediment does not meet beach replenishment standards, the applicant shall cease work, and shall immediately notify the Executive Director and local resource agencies. Project activities shall resume only upon written approval of the Executive Director.

Chemical and physical analysis shall be conducted of a representative sample of the sediments to be dredged from the Inner Harbor, consistent with the requirements of the joint EPA/Corps *Evaluation of Dredged Material Proposed for Discharge in Waters of the U.S. —Testing Manual* and CRWQCB waste discharge requirements. Re-testing of Inner Harbor sediment shall be conducted a

minimum of three years from the date of the previous sediment sampling survey, where samples continue to meet EPA and CRWQCB guidelines. If the EPA or CRWQCB determine that the sediment exceeds any contaminant threshold levels, sampling shall commence at least six (6) weeks prior to any dredging event for all subsequent years. The results and analysis must be submitted for the review and approval of the Executive Director, at least two (2) weeks prior to any dredging operation.

In the event of a spill, release, or similar event that has the potential to result in contamination of sediments in the project area, the applicant shall submit a written report of the event to the Executive Director within 30 days of its occurrence, and shall commence sampling at least six (6) weeks prior to any subsequent dredging event. Sampling results and analysis must be submitted for the review and approval of the Executive Director, at least two (2) weeks prior to any dredging operation.

#### **4. Dredge Spoil Compatibility**

- A. The dredged material shall meet all applicable federal and state beach nourishment or dredge spoil discharge requirements and comply with the grain size requirements for the locations as cited below.
- B. Dredged material meeting EPA and Regional Water Quality Control Board criteria for beach replenishment, and for which an average of 91% or more of the material is coarse grained (retained on a Standard U.S. Sieve Size No. 200), may be deposited in the following locations, in accordance with project plans shown in Exhibits 3 through 8:
  - (1) Nearshore area south of San Buenaventura pier;
  - (2) Cells 1 and 2 of the Pierpont Groin Field;
  - (3) South Beach;
  - (4) Surf zone of the Santa Clara River;
  - (5) Surf zone at McGrath State Beach;
  - (6) Nearshore area at McGrath State Beach; and/or
  - (7) Surfer's Point, provided that (1) a detailed site plan is approved pursuant to Special Condition Two and (2) evidence is submitted, for the review and approval of the Executive Director, illustrating that there would be no adverse impacts to coastal resources at this site.
- C. Finer sands and silts meeting applicable federal and state dredge spoil discharge requirements, and for which an average of 90% or less of the material is coarse grained (retained on a Standard U.S. Sieve Size No. 200), may be deposited in the following locations, in accordance with project plans shown in Exhibits 3 through 5:
  - (1) Inner Harbor Depressions;
  - (2) Surf zone of the Santa Clara River no closer than 300 feet from the Santa Clara River and only while the River is flowing at 100 cubic feet per second as measured at USGS Montalvo Station in the vicinity of Victoria Avenue bridge; and/or
  - (3) Nearshore area at McGrath State Beach.

- D. Fine-grained material dredged by a shore-based clam shell from the mouth of the Arundell Barranca and/or the Olivas Park storm drain must be deposited outside of the coastal zone.
- E. Dredged material that does not meet the physical or chemical standards for beach replenishment or spoil discharge shall not be discharged at any of the deposition sites, except as specified above. At such time, the applicant shall identify an alternate location suitable to accept contaminated sediment. Should the dumpsite be located in the Coastal Zone, a coastal development permit shall be required.

#### **5. Nearshore Disposal Project Monitoring**

Maintenance dredging may be conducted using a clamshell or hopper dredge with nearshore disposal off of McGrath State Beach as shown in Exhibit 4. Upcoast nearshore disposal may also be conducted pursuant to the beach nourishment agreement with the City of San Buenaventura, off San Buenaventura State Beach downcoast of the Ventura Pier as shown in Exhibit 7. To evaluate the appropriateness of nearshore disposal at these two locations and its effectiveness in beach nourishment, the nearshore alternative shall be subject to the review and approval of the Executive Director based on the following monitoring report:

- (a) The applicant shall measure and document the response of adjacent shorelines to the placed berm and the prevailing environmental conditions, and document the dispersion and migration of the berm itself. The monitoring program parameters shall correspond to the Maintenance Dredging Monitoring Plan For Nearshore Disposal (Exhibit 11), including pre- and post-dredge surveys of the beach profiles and bathymetry. A baseline survey of the nearshore project area shall take place no earlier than four (4) weeks prior to any dredging operation. As described in the Monitoring Program, data shall be collected for a period of one year, a minimum of quarterly, after any disposal operation at a nearshore site. Monitoring results shall be provided to the Executive Director following completion of the first year of the program. Subsequent utilization of the nearshore method shall require Executive Director review and approval, and shall be contingent upon the monitoring program demonstrating that no adverse impacts to downcoast shoreline sand supply result from this method. The Executive Director's consideration will include impacts to recreational uses including surfing and swimming. Modifications to the monitoring program specified in Exhibit 11 are subject to review and approval of the Executive Director.
- (b) The Executive Director may waive the full year post-dredging monitoring requirement, if the applicant submits evidence, subject to the Executive Director's review and approval, which shows that the nearshore berm has completely dispersed.

#### **6. Shoreline Monitoring Program**

- A. The applicant shall conduct an annual shoreline monitoring program to document shoreline changes in the project vicinity. Documentation shall include but not be limited to:
  - (1) Annual beach profiles shall be provided by the applicant for the term of the project. The profiles shall be taken (1) by October 15 of each year and (2) in January of each year or immediately after completion of any dredging operation. The profiles shall be at the twelve locations utilized in the baseline survey (example provided in Exhibit 12) and shall be conducted in a manner consistent with the profile surveys conducted annually since 1989. In

addition to the baseline survey locations, a minimum of two beach profiles shall be performed in the vicinity of the McGrath State Beach deposition site. A minimum of two beach profiles shall be performed in the vicinity of the Surfer's Point deposition site, for any year the deposition site is utilized. Minimum and maximum tide levels at the time of profile survey shall be noted on the profiles.

- (2) An indication of beach width and sand volume changes to the beaches within the area profiles. This shoreline analysis shall include the deposition area along McGrath State Beach. The shoreline analysis shall include the Surfer's Point receiver site for any year the deposition site is utilized. The applicant shall utilize aerial photographs, to the extent feasible, to prepare the summary of beach width and sand volume changes.
  - (3) Data detailing the annual quantity and placement of dredged material.
- B. The monitoring information shall be submitted to the Executive Director by July 1 of each year as well as to other public and federal, state, and local entities who wish to obtain such information. At a minimum, the annual reports shall be furnished to the Executive Director of the Commission, the Cities of Ventura and Oxnard, the Army Corps of Engineers (Los Angeles District) and BEACON.

#### **7. Caulerpa Surveys and Monitoring**

- A. Not earlier than 90 days nor later than 30 days prior to commencement or re-commencement of any development authorized under this coastal development permit, the applicant shall undertake a survey of the project area and a buffer area at least 35 feet beyond the project area to determine the presence of the invasive alga *Caulerpa taxifolia*. The survey shall include a visual examination of the substrate and inspection of dredging equipment.
- B. The survey protocol shall be prepared in consultation with the Regional Water Quality Control Board, the California Department of Fish and Game, and the National Marine Fisheries Service.
- C. Within two (2) weeks of completion of the survey, the applicant shall submit the results of the survey:
  - (1) for the review and approval of the Executive Director; and
  - (2) to the Surveillance Subcommittee to the Southern California Caulerpa Action Team (SCCAT). The SCCAT Surveillance Subcommittee may be contacted through William Paznokas, California Department of Fish & Game (858/467-4218) or Robert Hoffman, National Marine Fisheries Service (562/980-4043).
- D. Unless the Executive Director otherwise determines, if the survey identifies any *Caulerpa taxifolia* within the project area, the applicant shall submit to the Commission an application for a new coastal development permit or an amendment to this permit authorizing measures formulated to avoid, minimize and otherwise mitigate impacts that the proposed development might have resulting from the dispersal of *Caulerpa taxifolia* in the project area. The applicant shall: 1) refrain from commencement of the project until a valid permit or amendment is obtained, and 2) upon authorization of the permit or amendment, implement the approved mitigation measures in the manner and within the timeframe(s) specified in the approval.

**8. Sensitive Species Surveys and Monitoring**

- A. The applicant shall retain the services of a qualified biologist or environmental resources specialist with appropriate qualifications acceptable to the Executive Director, prior to commencement of dredging or discharge activities. The environmental resource specialist shall conduct a survey of the project site, to determine presence and behavior of sensitive species, one day prior to commencement of installation or removal of the discharge pipeline, or any grading activities on the beach. In the event that any sensitive wildlife species (including but not limited to California least tern, western snowy plover, California grunion) exhibit reproductive or nesting behavior, the environmental specialist shall require the applicant to cease work, and shall immediately notify the Executive Director and local resource agencies. Project activities shall resume only upon written approval of the Executive Director.
- B. The applicant shall retain the services of a qualified biologist or environmental resources specialist with appropriate qualifications acceptable to the Executive Director, prior to any dredging or discharge activities from the date of the first predicted grunion run, as listed by the California Department of Fish and Game, through August. The environmental resource specialist shall conduct a survey of the project site, to determine presence of California grunion during the seasonally predicted run period and egg incubation period, as identified by the California Department of Fish and Game. If any grunion spawning activity and/or if grunion are present in or adjacent to (within 100 yards of) the project site in any life stage, no construction, maintenance, or any grading and grooming activities on the beach or other project activities shall occur until the next predicted run in which no grunion are observed. Surveys shall be conducted for all seasonally predicted run periods in which material is proposed to be placed at any of the above sites. If material is in the process of being placed, the material shall be rough graded and returned to contours that will enhance the habitat for grunion prior to the run period. Furthermore, placement activities shall cease in order to determine whether grunion are using the beach during the following run period. The resource specialist shall provide inspection reports after each grunion run observed and shall provide copies of such reports to the Executive Director and to the California Department of Fish and Game.
- C. The applicant shall submit documentation, prepared by the biologist or environmental specialist, which indicates the results of each pre-construction survey, including if any sensitive species were observed and associated behaviors or activities. Location of any nests observed shall be mapped.
- D. The environmental specialist shall be present during the installation and removal of the discharge pipeline, and during grading of the beach. The environmental resource specialist shall require the applicant to cease work should any breach in permit compliance occur or if any unforeseen sensitive habitat issues arise. The biological monitor(s) shall immediately notify the Executive Director if activities outside of the scope of Coastal Development Permit 4-06-086 occur or if habitat is removed or impacted beyond the scope of the work indicated in Coastal Development Permit 4-06-086. If significant impacts or damage occur to sensitive wildlife species, the applicant shall be required to submit a revised, or supplemental program to adequately mitigate such impacts. The revised, or supplemental, program shall be processed as an amendment to this coastal development permit.

## **9. Operational Responsibilities**

It shall be the applicant's responsibility to assure that the following occurs concurrent with, and after completion of, all project operations:

- (a) At the completion of each year's dredging and deposition, but prior to the timing restrictions specified in Special Condition One (1) above, the sand deposited on the beach shall be rough graded to natural beach contours to restore the dynamic shoreline habitat and to facilitate recreational use.
- (b) All pipeline operations and vehicle traffic shall be limited to the 50-foot wide corridor along the proposed pipeline route.
- (c) All vehicle traffic associated with placement of the pipeline, including the movement of sections of the pipeline, must be preceded by a designated individual walking ahead of the equipment being moved to ensure that no snowy plovers or other sensitive species are at risk from vehicle or equipment movement.
- (d) No pipes or any other equipment shall be stored on the beach consistent with timing constraints identified pursuant to Special Condition One (1).
- (e) The disposal pipeline, access routes, and equipment corridor shall not cross or disturb sand dunes and shall minimize crossings or disturbance of the wrack zone. Wrack shall be separated and retained, to the maximum extent feasible, in areas where discharge operations will result in the loss or disturbance of wrack. Wrack shall be moved to the side during discharge operations, pipeline placement, and other project activities, and replaced in its original location/configuration, to the maximum extent feasible, at the completion of project operations where possible.
- (f) At no time shall disposal or associated activities interfere with the breaching or retention of flow within the Santa Clara River estuary in such a way as to cause or threaten flooding on adjacent lands.

## **10. Operation Staging**

A. At least two (2) weeks prior to commencement of any dredging operation, the applicant shall submit to the Executive Director for review and approval, final staging plans that include the following:

- (1) A map of the location of the project construction headquarter(s).
- (2) Site plans for all construction staging areas and access routes, including stockpile areas for pipe and the access corridor necessary for placement of the pipeline.
- (3) Special staging and parking needs for heavy equipment.

B. The plan shall be consistent with the following criteria:

1. Staging areas shall be used only during active construction operations and will not be used to store materials or equipment between operations.
2. The applicant shall not store any construction materials or waste where it will be or could potentially be subject to wave erosion and dispersion. In addition, no machinery shall be

placed, stored or otherwise located in the intertidal zone at any time, except for the minimum necessary to implement the project.

3. Construction equipment shall not be cleaned on the beach or in the beach parking lots.
  4. Construction debris and sediment shall be properly contained and secured on site with BMPs to prevent the unintended transport of sediment and other debris into coastal waters by wind, rain or tracking.
  5. Construction debris and sediment shall be removed from construction areas as necessary to prevent the accumulation of sediment and other debris which may be discharged into coastal waters. Any and all debris resulting from construction activities shall be removed from the project site within 24 hours. Debris shall be disposed at a debris disposal site outside of the coastal zone or at a location within the coastal zone authorized to receive such material.
  6. The applicant shall be responsible for removing all unsuitable material or debris within the area of placement should the material be found to be unsuitable for any reason, at any time, when unsuitable material/debris can reasonably be associated with the placement material. Debris shall be disposed at a debris disposal site outside of the coastal zone or at a location within the coastal zone authorized to receive such material.
  7. Stockpiled materials shall be located as far from stream areas on the designated site(s) as feasible and in no event shall materials be stockpiled less than 30 ft. in distance from the top edge of a stream bank.
  8. Temporary erosion control measures, such as sand bag barriers, silt fencing; and/or swales, shall be implemented for all stockpiled material. These temporary erosion control measures shall be required at the site(s) prior to or concurrent with the initial grading operations and shall be monitored and maintained until all stockpiled fill has been removed from the project site. Successful implementation of erosion control measures will ensure that the material is completely stabilized and held on site.
- C. The applicant shall undertake the development in accordance with the approved plans. Any proposed changes to the approved plans shall be reported to the Executive Director. No change to the program shall occur without a Commission-approved amendment to the permit unless the Executive Director determines that no such amendment is required.

#### **11. Agency Coordination**

Within sixty (60) days, and no less than four (4) weeks, prior to commencement of each dredging operation, the applicant shall provide notice to local agencies and any other known interested parties of the volume and quality of shoal material, which meets beach replenishment requirements as specified in Special Condition Four, to be extracted and the reason(s) for prioritization of the target site(s). Those parties that shall receive notice include, but are not limited to, the cities of San Buenaventura and Oxnard, California Parks and Recreation, Army Corp of Engineers, Regional Water Quality Board, BEACON, and the Executive Director of the Coastal Commission. If any party requests to use the dredged material which meets beach replenishment requirements as specified in Special Condition Four at Surfer's Point, and if the Executive Director determines that the proposed beach nourishment will not have adverse impacts on coastal resources and that these materials are not more appropriate at alternative disposal sites, the applicant shall make the

dredged material available to that party, for transport and use for beach nourishment at Surfer's Point, at that party's expense.

**12. Public Access Program**

Prior to issuance of this coastal development permit, the applicant shall submit, for review and approval of the Executive Director, a report which describes the methods (including signs, fencing, posting of security guards, etc.) by which safe public access to or around the beach deposition sites and/or staging areas shall be maintained during dredging and discharge operations.

**13. Required Approvals**

Prior to commencement of any sediment management activities authorized by this coastal development permit, the applicant shall provide evidence to the Executive Director of receipt of all necessary State and Federal permits including the U.S. Army Corps of Engineers, the California State Lands Commission, and the California Regional Water Quality Control Board.

**14. Snowy Plover and Least Tern Monitoring**

- A. A biologist(s) or environmental specialist(s) with appropriate qualifications acceptable to the Executive Director shall conduct a survey(s) of western snowy plover and California least tern in all shorefront portions of the project area, from the northernmost point at the Pierpont Groinfeld deposition site to the southern terminus of McGrath State Beach property. Survey(s) shall commence at least two (2) weeks prior to any dredging activities and extend at least two (2) weeks after the final dredging activity is completed. Prior to the commencement of the survey(s), the biologist(s) or environmental specialist(s) shall submit a survey methodology report for the review and approval of the Executive Director. The report shall include, at a minimum, an illustration of monitoring sites/transects, survey dates and time, names of surveyors, and survey protocol. The survey(s) shall be conducted a minimum of twice weekly and shall be designed to assess the abundance, distribution, behavior, and any disturbances to snowy plovers and least terns foraging, roosting, or nesting in the survey area. If any snowy plover or least tern exhibits reproductive or nesting behavior, then the environmental specialist shall require the applicant to cease work, and shall immediately notify the Executive Director and local resource agencies. Project activities shall resume only upon written approval of the Executive Director.

The applicant shall submit a western snowy plover and California least tern monitoring report to the Executive Director for review and approval by July 1 of each year. The monitoring report shall be prepared by a qualified biologist and shall at a minimum include, but not be limited to, the following components: 1) population and trend analysis; 2) analysis and illustration of population density and spatial distribution before, during, and after each dredging operation; 3) documentation of all known incidents of snowy plover and least tern disturbance (including incidents resulting in mortality, citing the probable cause of mortality) including dates, times, location, degree of plover disturbance (e.g., plover behavior such as moving, running, or flying from a disturbance or other actions such as elevating wings), source of disturbance (e.g., pedestrians, vehicles, dogs on or off leash, equestrians, predation, spills, dredging operations and support activities including pipeline installation and removal and any beach grading or grooming activities, or vandalism of unknown origin), length of time of disturbance, level of disturbance (i.e., how many plovers made to fly or move and how far plovers were displaced),

and the approximate distance between the source and plovers which resulted in the disturbance; 4) analysis of any other activities with the potential to impact the species' population in the project area, such as use patterns (e.g., public recreation), weather patterns, and habitat changes; and 5) conclusions regarding the impact of the dredging operations on the snowy plover and least tern populations and habitat. If the Executive Director determines that adverse impacts have occurred to the species' population or habitat as a result of the dredging operations, the Executive Director shall provide written notice to the applicant of such determination. The applicant shall cease work (if work is underway) and shall notify local resource agencies in a timely manner. The applicant shall be required to submit a revised, or supplemental program to adequately mitigate such impacts. The revised, or supplemental, program shall be processed as an amendment to this coastal development permit. Project activities shall resume only upon written approval of the Executive Director.

#### **15. Water Quality Monitoring**

The applicant shall conduct a water quality monitoring program that will analyze potential adverse impacts on the near-shore and offshore marine environment resulting from disposal of dredged materials into the intertidal zone. The monitoring program will be conducted each time dredged materials are deposited into or graded near the intertidal zone and will contain the following components:

(a) The applicant shall retain the services of a qualified biologist(s) or environmental resources specialist(s) with appropriate qualifications acceptable to the Executive Director. The environmental resource specialist shall monitor and document the turbidity of coastal waters during all project construction activities consistent with California Regional Water Quality Control Board (RWQCB) Monitoring and Reporting Program No. 6300 for Ventura Port District (Maintenance Dredging) (File No. 76-59) which is attached to this report as **Exhibit 14**. The applicant shall submit, for the review of the Executive Director, all weekly monitoring reports that indicate non-compliance with the waste discharge requirements outlined in the Monitoring and Reporting Program. The weekly reports shall be submitted within 10 days of completion of each weekly sampling period for which non-compliance is found. In addition, the applicant shall submit, for the review of the Executive Director, a final report, summarizing the weekly monitoring, within 30 days of the completion of each dredging operation.

(b) Should the water quality monitoring program yield results that indicate sediment disposal into the intertidal zone causes a significant adverse impact on water quality or the marine environment the applicant is required to submit, for review and approval by the Executive Director, a mitigation plan exploring feasible alternatives, mitigation measures, and/or alternative disposal locations for sediment disposal in the intertidal zone prior to any future deposition activities in the intertidal zone. Should the mitigation plan identify mitigation measures and/or project alternatives to minimize water quality impacts which results in a substantial change in the proposed development approved by the Commission, an amendment to the permit or a new coastal permit shall be required.

#### **16. Assumption of Risk**

By acceptance of Coastal Development Permit 4-06-086, the applicant acknowledges and agrees (i) that the project site may be subject to hazards from erosion and flooding; (ii) to assume the risks to the applicant and the property that is the subject of this permit of injury and damage from such hazards in connection with this permitted development; (iii) to unconditionally waive any claim of

damage or liability against the Commission, its officers, agents, and employees for injury or damage from such hazards; and (iv) to indemnify and hold harmless the Commission, its officers, agents, and employees with respect to the Commission's approval of the project against any and all liability, claims, demands, damages, costs (including costs and fees incurred in defense of such claims), expenses, and amounts paid in settlement arising from any injury or damage due to such hazards.

**17. Project Term**

All development approved pursuant to this coastal development permit shall be completed by April 15, 2016.